“US Army Precision Fires”

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AGENDA

- **Precision Fires – Why and Why Not?**
- **Misconceptions**
- **Target Acquisition**
- **Equipment Programs**
- **Key Planning Studies Underway**
- **Challenges**
- **Road Ahead**

PRECISION MUNITIONS -- WHY?

- **All-weather, terrain, and operational environment engagement capability that reduces operational risk by providing immediate responsive fires and scalable effects**

- **Minimize collateral damage, especially in urban settings; allows for discriminating use of force**

- **Reduce number of rounds needed to defeat targets at all ranges (same CEP at any range)**

- **Reduce logistics footprint and force burden**

- **Essential to fulfill objectives of Transformation and Joint ops**

PRECISION MUNITIONS – WHY NOT?

- **Not every target needs to be destroyed – suppression, masking, or harassing fire is often needed to shape the battle**

- **Unaffordable – if chasing too many programs with limited resources**

- **Insufficient numbers – if they become the weapon of choice**

- **Dependent on sensor system data, rapidly passed networked information, especially when addressing fleeting targets**

- **PGM technology is developing ahead of**

MISCONCEPTIONS

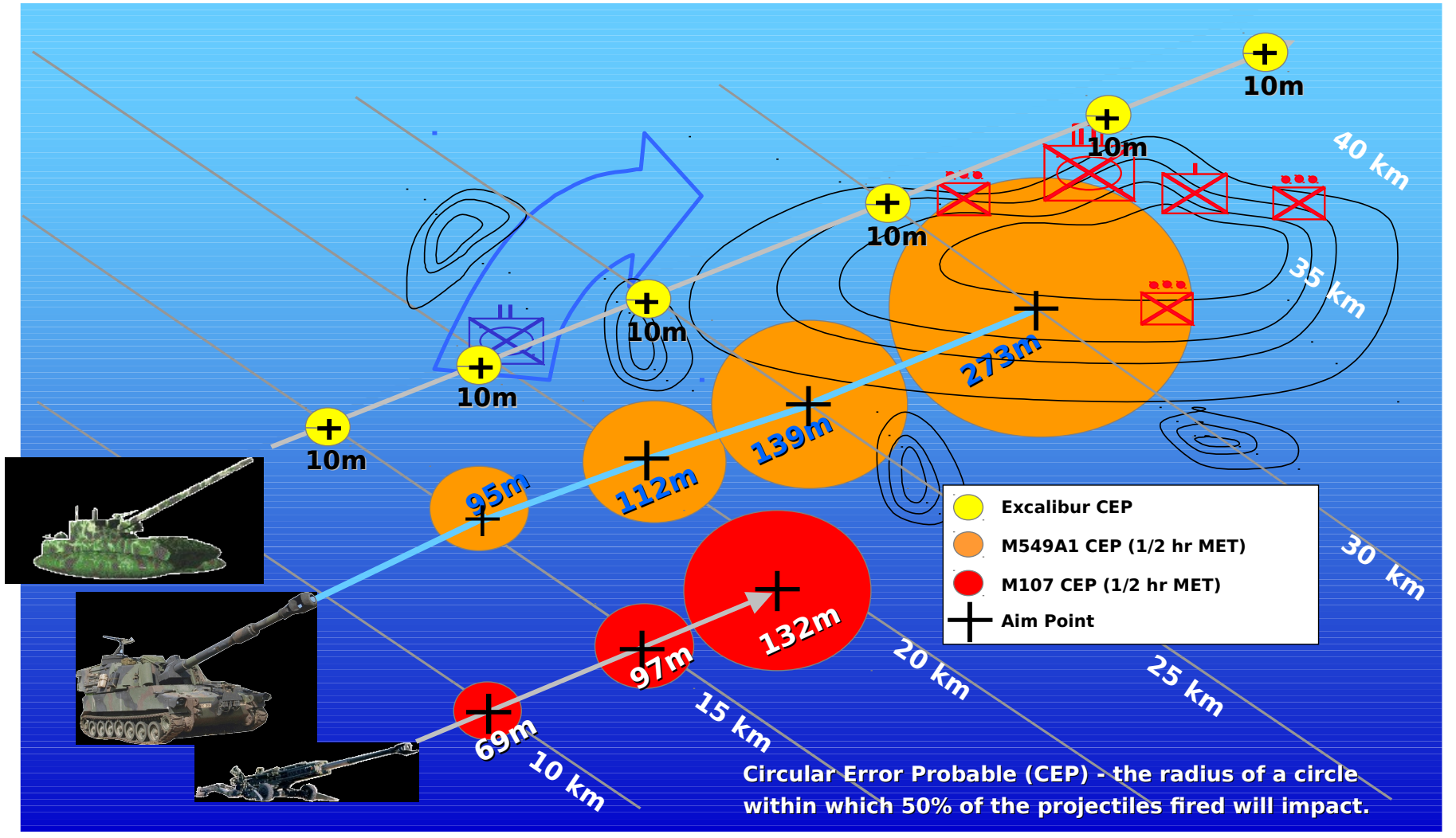
- **A replacement for unguided munitions – but "dumb" is still good**

- **A leap-ahead advantage – but temporary since eventually precision will proliferate and put our own forces at risk**

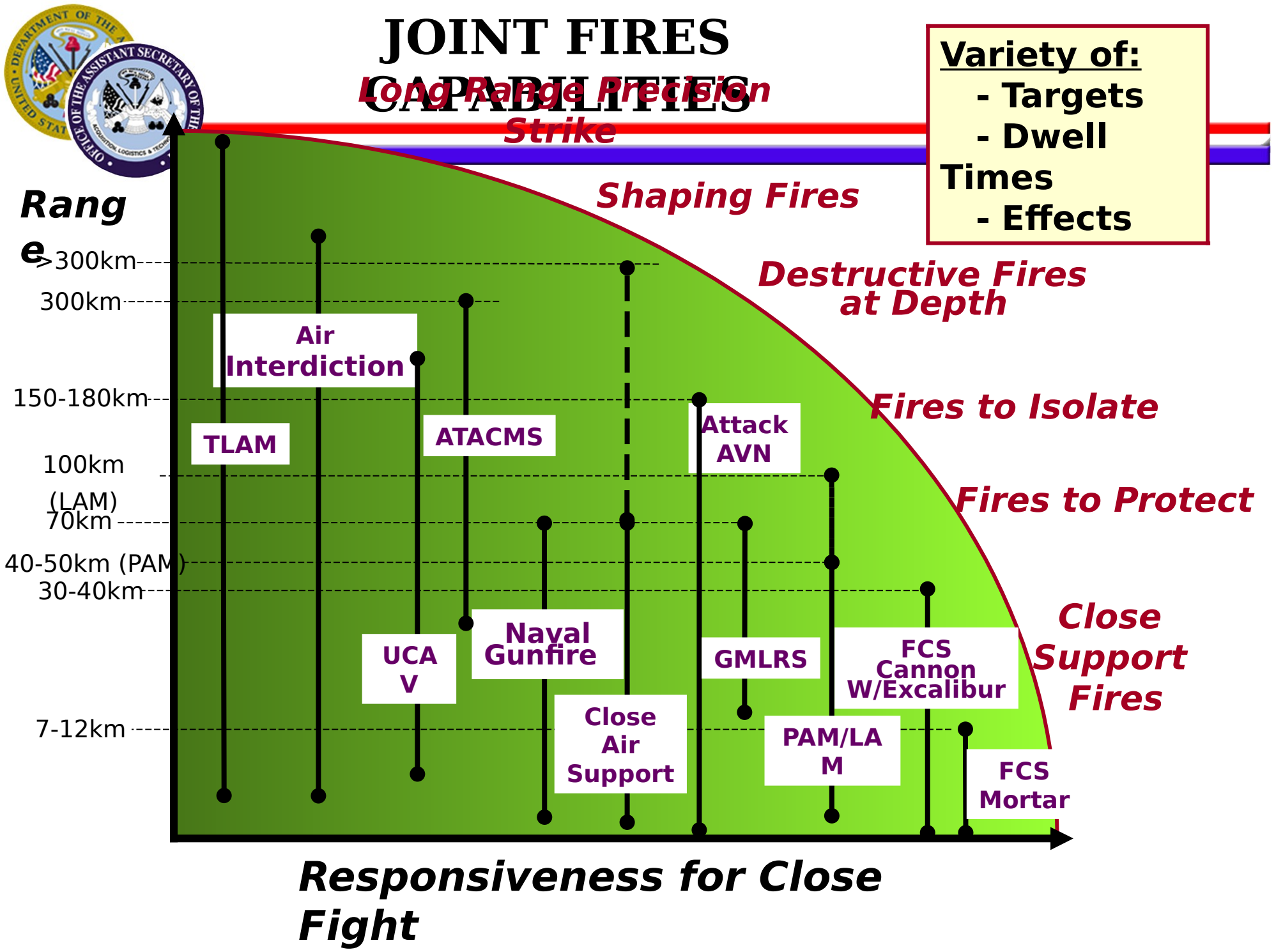
- **Leads to quick victory – but the enemy does not always behave the way we think we would**

- **Technology Will Save Us…**
  - **-- PGMs are not a replacement for sound tactics or strategy (do not confuse the ways and means of war with its end)**
  - **-- PGMs as the 'silver bullet' – but weapons**

CIRCULAR ERROR PROBABLE (CEP)



JOINT FIRES CAPABILITIES



PRECISION MUNITIONS (Fielded & Developmental)

FIELDED PRODUCTION SYSTEMS:

TOW 2B
JAVELIN
HELLFIRE variants -- SAL (K, M, or N) and LONGBOW (L)
ATACMS Block IV – Quick Reaction Unitary (QRU)

SYSTEMS IN DEVELOPMENT OR S&T:

PEO AMMO:

Excalibur
PGMM
MRM

PEO MISSILES and SPACE:

LOSAT
CKEM
APKWS
Viper Strike
NLOS LS -- PAM
NLOS LS -- LAM